



**Rules and Regulations  
for the Construction and  
Classification of Ships  
for the Carriage of  
Liquefied Gases in Bulk,  
July 2008**

Notice No. 1

Effective Date of Latest  
Amendments:

See page 1

Issue date: July 2008

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# **RULES AND REGULATIONS FOR THE CONSTRUCTION AND CLASSIFICATION OF SHIPS FOR THE CARRIAGE OF LIQUEFIED GASES IN BULK, *July 2008***

## **Notice No. 1**

This Notice contains amendments within the following Sections of the *Rules and Regulations for the Construction of Ships for the Carriage of Liquefied Gases in Bulk, July 2008*. The amendments are effective on the dates shown:

<b>Chapter</b>	<b>Section</b>	<b>Effective date</b>
1	3	1 July 2008
3	3	1 July 2008
11	1, 2, 5	1 July 2008
12	Heading	1 July 2008
19	Table	1 July 2008

The *Rules and Regulations for the Construction and Classification of Ships for the Carriage of Liquefied Gases in Bulk, July 2008* are to be read in conjunction with this Notice No. 1. The status of the Rules is now:

Rules for Ships for Liquefied Gases	Effective date:	July 2008
Notice No. 1	Effective dates:	1 July 2008

All text which does not appear in the IGC Code is prefixed by 'LR' and thick vertical lines (see LR II.3)

## Chapters 1 & 3

### Chapter 1

#### General

**Effective date 1 July 2008**

#### 1.3 Definitions

1.3.2 'A' class divisions means divisions as defined in regulation II-2/3.3 of the 1983 SOLAS amendments SOLAS regulation II-2/3.2.

1.3.34 1974 SOLAS Convention means the International Convention for the Safety of Life at Sea, 1974.

1.3.34 SOLAS means the International Convention for the Safety of Life at Sea 1974, as amended.

### Chapter 3

#### Ship Arrangements

**Effective date 1 July 2008**

#### 3.3 Cargo pump rooms and cargo compressor rooms

3.3.1.1 Cargo pump rooms and cargo compressor rooms should be situated above the weather deck and located within the cargo area unless specially approved by the Administration. Cargo compressor rooms should be treated as cargo pump rooms for the purpose of fire protection according to regulation II-2/58 of the 1983 SOLAS amendments SOLAS regulation II-2/9.2.4.

## Chapter 11

## Fire Protection and Fire Extinction

Effective date 1 July 2008

## 11.1 Fire safety requirements

11.1.1 The requirements for tankers in ~~chapter II-2 of the 1983 SOLAS amendments~~ SOLAS chapter II-2 should apply to ships covered by the Code, irrespective of tonnage including ships of less than 500 tons gross tonnage, except that:

- 1 ~~regulation 56.6 does not apply;~~
- 2 ~~regulation 4 as applicable to cargo ships and regulation 7 should apply as they would apply to tankers of 2,000 tons gross tonnage and over;~~
- 3 ~~the following regulations of chapter II-2 of the 1983 SOLAS amendments related to tankers do not apply and are replaced by chapters and sections of the Code as detailed below:~~

Regulation	Replaced by
<del>47</del>	<del>11.6</del>
<del>56.1 and 56.2</del>	<del>chapter 3</del>
<del>60, 61, 62</del>	<del>11.3 and 11.4</del>
<del>63</del>	<del>11.5</del>

- 1 regulations 4.5.1.6 and 4.5.10 do not apply;
- 2 regulation 10.2 as applicable to cargo ships and regulations 10.4 and 10.5 should apply as they would apply to tankers of 2,000 gross tonnage and over;
- 3 regulation 10.5.6 should apply to ships of 2,000 gross tonnage and over;
- 4 the following regulations of SOLAS chapter II-2 related to tankers do not apply and are replaced by chapters and sections of the Code as detailed below:

Regulation	Replaced by
10.10	11.6
4.5.1.1 and 4.5.1.2	chapter 3
4.5.5 and 10.8	11.3 and 11.4
10.9	11.5

- 5 regulations 13.3.4 and 13.4.3 should apply to ships of 500 gross tonnage and over.

## 11.2 Fire water main equipment

11.2.1 All ships, irrespective of size, carrying products which are subject to this Code should comply with the requirements of ~~regulations II-2/4 and II-2/7 of the 1983 SOLAS amendments~~ SOLAS regulations II-2/10.2, 10.4 and 10.5, except that the required fire pump capacity and fire main and water service pipe diameter should not be limited by the provisions of ~~regulations 4.2.1 and 4.4.1~~ regulations II-2/10.2.2.4.1 and II-2/10.2.1.3 when the fire pump and fire main are used as part of the water spray system as permitted by 11.3.3. In addition, the requirements of ~~regulation 4.4.2~~ regulation II-2/10.2.1.6 should be met at a pressure of at least 5,0 bar gauge.

11.2.2 The arrangements should be such that at least two jets of water can reach any part of the deck in the cargo area and those portions of the cargo containment system and tank covers above the deck. The necessary number of fire hydrants should be located to satisfy the above arrangements and to comply with the requirements of ~~Regulations II-2/4.5.1 and II-2/4.8 of the 1983 SOLAS amendments, with hose lengths not exceeding 33 m~~ SOLAS regulations II-2/10.2.1.5.1 and II-2/10.2.3.3, with hose lengths as specified in regulation II-2/10.2.3.1.1.

## 11.5 Cargo compressor and pump rooms

11.5.1 The cargo compressor and pump rooms of any ship should be provided with a carbon dioxide system as specified in ~~regulation II-2/5.1 and .2 of the 1974 SOLAS Convention, as amended~~ SOLAS regulation II-2/10.9.1.1. A notice should be exhibited at the controls stating that the system is only to be used for fire-extinguishing and not for inerting purposes, due to the electrostatic ignition hazard. The alarms referred to in ~~regulation II-2/5.1.6 of the 1983 SOLAS amendments~~ SOLAS regulation II-2/10.9.1.1.1 should be safe for use in a flammable cargo vapour-air mixture. For the purpose of this requirement, an extinguishing system should be provided which would be suitable for machinery spaces. However, the amount of carbon dioxide gas carried should be sufficient to provide a quantity of free gas equal to 45% of the gross volume of the cargo compressor and pump-rooms in all cases.

## 11.6 Firemen's Fire-fighter's outfits

11.6.1 Every ship carrying flammable products should carry ~~firemen's fire-fighter's~~ outfits complying with the requirements of ~~regulation II-2/17 of the 1983 SOLAS amendments~~ SOLAS regulation II-2/10.10 as follows:

Total cargo capacity	Number of outfits
5,000 m <sup>3</sup> and below	4
above 5,000 m <sup>3</sup>	5

## Chapters 12 & 19

### Chapter 12 Mechanical Ventilation in the Cargo Area

Effective date 1 July 2008

The requirements of this chapter should be substituted for regulation II-2/50.3 of the 1983 SOLAS amendments.  
The requirements of this chapter should be substituted for SOLAS regulations II-2/4.5.2.6 and II-2/4.5.4.

### Chapter 19 Summary of Minimum Requirements

Effective date 1 July 2008

(Part only shown)

a	b	c	d	e	f	g	h	i
Product name	UN number	Ship type	Independent tank type C required	Control of vapour space within cargo tanks	Vapour detection	Gauging	MFAG table no.	Special requirements
Butylenes	1012	2G/2PG	—	—	F	R	310	
Carbon dioxide	—	3G	Yes	—	—	C	—	
Chlorine	1017	1G	Yes	Dry	T	I	740	14.4, 17.3.2, 17.4.1, 17.5, 17.7, 17.9 17.14
Diethyl ether*	1155	2G/2PG	—	Inert	F + T	C	330	14.4.2, 14.4.3, 17.2.6, 17.3.1, 17.6.1 17.10, 17.11, 17.15
Dimethylamine	1032	2G/2PG	—	—	F + T	C	320	14.4.2, 14.4.3, 14.4.4, 17.2.1
Dimethyl ether	—	2G/2PG	—	—	F + T	C	—	
Ethane	1961	2G	—	—	F	R	310	



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